CLAIMS

	What is claimed is:
1	1. A method for providing a halo implant to a semiconductor device comprising
2	the steps of:
3	(a) providing a thin photoresist layer to the semiconductor device; and
4	(b) providing the halo implant to the appropriate area of the semiconductor
5	device.
1	2. The method of claim 1 wherein the thin photoresist layer covers a substantial
, 2	amount of the active area of the semiconductor device.
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\ 1	3. The method of claim 1 wherein the thin photoresist layer is between
2	approximately 0.1 to 0.2μm thick.
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11	4. The method of claim 1 wherein the halo implant is at approximately a 45°
2	angle.
1	5. The method of claim 1 which includes the step of providing a lightly doped
2	drain implant before the halo implant providing step (b).
1	6. The method of claim 2 wherein the active area comprises the source region and
	the drain region of the semiconductor device.

7.

The method of claim 1 wherein the photoresist layer comprises a deep

ultraviolet (DUV) layer.



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8. A system for providing a halo implant to a semiconductor device comprising: means for providing a thin photoresist layer to the semiconductor device; and means for providing the halo implant to the appropriate area of the

semiconductor device.

9. The system of claim 8 wherein the thin photoresist layer covers a substantial amount of the active area of the semiconductor device.

10. The system of claim 8 wherein the thin photoresist layer is between approximately 1 to 2μm thick.

11. The system of claim 8 wherein the halo implant is at approximately a 45° angle.

12. The system of claim 8 which includes the step of providing a lightly doped drain implant before the halo implant providing step (b).

13. The system of claim wherein the active area comprises the source region and the drain region of the semiconductor device.

14. The system of claim 8 wherein the photoresist layer comprises a deep ultraviolet (DUV) layer.